

To make use of my knowledge, initiative and skills to contribute to the organization by working effectively in teams, whilst gaining experience and further improving my capabilities.

Qualification

- **B.Tech (Mechanical Engineering and Product Design)**
Apeejay Styra University, Sohna, Gurgaon 2014-2018
Final semester results awaited; average grade points including 7th semester 3.15 out of 4.30 (73.34%)
- 12th Standard: Apeejay School, Nerul, Navi Mumbai. (83.6%) 2013-2014
- 10th Standard: Apeejay School, Nerul, Navi Mumbai. (87.2%) 2011-2012

Industrial Experience:

- **2018 - Final Year Industrial Internship**
Company: Kirloskar Oil Engines Limited ('KOEL') Khadki, Pune
Duration: 15 Jan '18 – 15 May '18 (4 months)
Topic: Noise Control in Generator Sets

The internship was under the Research & Development and the Noise & Vibration Handling departments of KOEL. It involved the real time study and analysis of noise emitted by a 62.5 KVA GENSET operating in 'near free-field' condition. The Genset was operated and tested with varying load conditions, as well as with and without noise absorbing foam. The tests were conducted and analysis of the data was done using PULSE Labshop. Based on the primary sources of noise and dominant frequencies recorded, methods to improve noise absorption were identified as, instead of using a single foam in the canopy, to use of strip absorbers and to use of multiple acoustic foam materials based on dominant frequency in an area. Also, as the cooling fans were identified as one of the main source of noise emitted by the engine, the use of Asymmetrical Fans was also concluded to be a potential option to reduce noise emitted by the engine itself.

- **2017 - Summer Training Project**
Company: Hindustan Petroleum Corporate Limited ('HPCL'), Mumbai Refinery, Mumbai.
Duration: 12 Jun '17 – 24 Jul '17 (6 weeks)
Topic: Study of pumps in Rotary Maintenance and Case Study of Vibration Analysis in Condition Monitoring.

The summer training project was at the Maintenance Department of Mumbai Refinery of HPCL. The training involved the study of the rotary pumps undergoing maintenance

to understand the purpose and functioning of the various parts of pumps. Further, a case study was performed on the Vibration Analysis in condition monitoring, which is part of the preventive maintenance of pumps in the refinery. The vibration analysis of an operational pump indicated need of maintenance and the pump was then subject to physical inspection at the maintenance workshop which revealed a fault in the motor's bearings due to water ingress. Replacement of bearing and other measures to prevent water ingress was immediately carried out and the pump was put back into operation. Thus, vibration analysis provided advance information of need of maintenance of the pump without physical opening up the equipment for inspection.

- **2016 Summer Training Project**

Company: Godrej & Boyce Manufacturing Company Limited, Vikhroli, Mumbai

Duration: 6 Jun '16 – 5 Aug '16 (8 weeks)

Topic: Process Improvement in Gas Cutting and Time Study in CNC

The summer training project was at Godrej Material Handling, Plant 16 of Godrej & Boyce Manufacturing Company Limited at Vikhroli, Mumbai, which was the Forklift manufacturing unit of the company. At the Gas Cutting section study was conducted on improving the gas cutting bed to reduce damage caused in the cutting process. After exploring various options, the structure of the cutting bed was modified to provide a cost effective and viable solution. Also, Time and Motion study was carried out in the CNC department by multiple video recordings (109 recordings) of the machining process of 55 components. The Time and Motion identified major losses of time as being set up and clamping process. Improvements were made to the clamping process by use of hydraulic clamps and training to improve skill level of workers was suggested as a solution to improve the set-up process.

Software Proficiency

- Solidworks 2016
- Ansys
- MS Office

Paper Published

Topic: Water Purification with Nanotechnology Membranes

(<http://www.ijedr.org/papers/IJEDR1604053.pdf>)

Paper ID: IJEDR1604053

Journal: International Journal of Engineering Development and Research.

2016 IJEDR | Volume 4, Issue 4 | ISSN: 2321-9939

The research review involved the analysis and comparison of the various methods of using Nanotechnology Membranes in water purification systems.

Extra-Curricular Activities:

- Taught basic math to unskilled workers (gardeners, housekeeping staff etc.) working at the University.
- Taught at a public school as a part of NSS activities.
- Participated in various activities, like tree plantation, clean India campaign, etc. as part of the NSS group.

Hobbies:

- Reading
- Swimming

Personal Profile:

Date of Birth : 29 May 1997

Gender : Male

Languages Known : English (to read, write & speak)
Hindi (to read, write & speak)
Malayalam (to speak)

Permanent Address : Flat No. 2D 71,
Kalpataru Riverside,
Takka, Panvel - 410 206
Maharashtra, India.

Passport Details : No. : N2682563
Validity: 21 Aug 2025

References:

1. Mr. S. Dhawan Director Energy (+91 99207 65549)
(Shapoorji Pallonji And Company
Private Limited)
2. Mr. Mitesh Soni Buisness Head – Power Projects (+91 91677 97382)
(Shapoorji Pallonji Infrastructure
Capital Co. Pvt. Ltd.)

I hereby declare that the details furnished above are true to the best of my knowledge.

Date:

Place:

George Jose Kuruvilla